

IN THE CLAIMS:

The text of all pending claims, (including withdrawn claims) is set forth below. Cancelled and not entered claims are indicated with claim number and status only. The claims as listed below show added text with underlining and deleted text with ~~strikethrough~~. The status of each claim is indicated with one of (original), (CURRENTLY AMENDED), (cancelled), (withdrawn), (new), (previously presented), or (not entered).

Please AMEND claims 1-11 and ADD new claim 12 in accordance with the following:

1. (CURRENTLY AMENDED) A computer-readable recording medium that stores a task control computer program including computer executable instructions which when executed by a computer, cause the computer to execute an operating system as a task by performing:

~~determining whether a non-idle process is included in executable-processes to be executed under control of the operating system based on a process identifier stored in a process control block (PCB) of processes to be executed under control of the operating system, wherein the non-idle process is an executable process waiting for execution as the task under control of the operating system, other than an idle process executed when the operating system proceeds to an idle state; and~~

~~changing a set priority of the operating system task to a higher priority higher than a primary priority of an operating system the task when it is determined at the determining that the executable processes include the non-idle process.~~

2. (CURRENTLY AMENDED) The computer-readable recording medium that stores the task control computer program according to claim 1, further comprising a system call that executes the determining and the changing.

3. (CURRENTLY AMENDED) The computer-readable recording medium that stores the task control computer program according to claim 1, further comprising changing the higher priority to the primary priority after the operating system has been executed at the higher priority for a predetermined period of time.

4. (CURRENTLY AMENDED) The computer-readable recording medium that stores the task control computer program according to claim 1, wherein the determining comprises:

~~determining whether a non-idle process is executable under the control of the operating system;~~

determining whether a schedule request for one of the processes to be executed under control of the operating system has been made to the operating system; and
determining whether an interruption request has been made to the operating system.

5. (CURRENTLY AMENDED) The computer-readable recording medium that stores the task control computer program according to claim 4, wherein the determining whether the non-idle process is executable under the control of the operating system is based on a process identifier stored in a process control block (PCB) of the process processes to be executed under control of the operating system.

6. (CURRENTLY AMENDED) The computer-readable recording medium that stores the task control computer program according to claim 4, wherein the determining whether the schedule request has been made to the operating system is based on a schedule request flag stored in a process control block of the current process one of the processes to be executed under control of the operating system.

7. CURRENTLY AMENDED) The computer-readable recording medium that stores the task control computer program according to claim 4, wherein the determining whether an interruption request has been made to the operating system is based on an interruption request flag provided in a global area of the operating system set when an interruption to the operating system is required.

8. (CURRENTLY AMENDED) The computer-readable recording medium that stores the task control computer program according to claim 1, wherein the primary priority of the task is changed to the higher priority when a predetermined period of time has elapsed after it is determined that there is an executable non-idle process.

9. (CURRENTLY AMENDED) A task control apparatus for causing a computer to execute an operating system as a task, comprising:

a determining unit that determines whether a non-idle process is executable under control of the operating system based on a process identifier stored in a process control block (PCB) of processes to be executed under control of the operating system, wherein the non-idle process is an executable process waiting for execution as the task under control of the operating system, other than an idle process executed when the operating system proceeds to an idle

state; and

a changing unit that changes a set priority of an operating system the task to a priority higher than the a primary priority of the operating system task when the determining unit determines that there is an executable non-idle process the non-idle process is executable.

10. (CURRENTLY AMENDED) A task control method for causing a computer to execute an operating system as a task, comprising:

determining whether executable processes to be executed under control of the operating system include a non-idle process based on a process identifier stored in a process control block (PCB) of processes to be executed under control of the operating system, wherein the non-idle process is an executable process waiting for execution as the task under control of the operating system, other than an idle process executed when the operating system proceeds to an idle state; and

changing a set priority of an operating system the task to a priority higher than the primary priority of the operating system task when it is determined that there is an executable non-idle process the executable processes include the non-idle process.

11. (CURRENTLY AMENDED) The computer-readable recording medium that stores the task control computer program according to claim 2, further comprising changing the higher priority to the primary priority after the operating system has been executed at the higher priority for a predetermined period of time.

12. (NEW) A task control method for causing a computer to execute an operating system as a task, the method comprising:

raising a priority of a task upon determining processes to be executed under control of the operating system include a non-idle, executable process other than an idle process executed when the operating system proceeds to an idle state and based on an identifier stored in a control block executed by the operating system.